

# DROP TOWER IMPACT TESTERS

Access to our Latest Technology



Since the late 1940's Instron has been a leader in impact testing with Dynatup and CEAST drop towers. Installed worldwide these earlier generation drop towers have an excellent reputation for reliability. However, component obsolescence is making it increasingly difficult to provide spare parts, associated repairs and service. As technology has evolved, with new components, software and product innovations, Instron has moved to embrace these advances in all of our products.

Now Instron customers with earlier generation Dynatup and CEAST drop towers can take advantage of the latest innovations and technologies to be more efficient and productive in their laboratories.

## SIMPLIFY YOUR TESTING

- Work safer and more efficiently with ergonomic set-up of the carriage, masses tups and specimen supports. Easily switch from high to low loads and from coupon to component testing.
- Get test results faster thanks to the integrated touch panel, prompted tests and pre-configured test methods that cover the most common impact testing scenarios included in Bluehill Impact.

## WORK SMARTER

- Advanced firmware technology in combination with the new Dashboard provide faster data acquisition and results display; productivity is increased by 20% on the average puncture test cycle of 10 specimens.
- Calibration alerts are automatically generated as the Load Cell (Tup) calibration period is expiring, thereby reducing the risk of invalid tests, questionable data and protecting your results against inaccuracies.

## SECURE THE FUTURE

- The current trend in industry is to test not only specimens but finished components. Ensure your leadership position in product quality and validation with a drop tower with a large test area.
- A drop tower equipped with transparent panels on all sides and dedicated connections for high speed cameras on the Dashboard, allow for accurate synchronization between the camera and the force data acquisition system.

## UNDER THE COVER

The 9400 Series feature several improvements in electronic and mechanical components:

- An All-in-One touchscreen controller with Bluehill Impact software and an integrated High Speed Data Acquisition System for enhanced usability and reduced footprint;
- Enhanced anti-rebound design able to guarantee a service life 50 times longer than any previous system;
- Carousel System allows for testing up to 10 ASTM D3763 102mm (4 inch) diameter specimens over the full impact energy range (1,800J) while keeping specimens in place;
- Fully transparent doors on all sides of the standard base to allow for easy set-up of high-speed cameras or to fully view the sample under test;
- Total seismic stability through bolted fixation mechanism.



## CAN I USE MY ACCESSORIES ON A NEW DROP TOWER?

Fractovis Plus and 9350 accessories like Tup Holders, Tups, Tup Inserts, Clamping Sets, Specimen Supports and Stands can be used with the new 9400 Series, while integrating with the latest software and accessories.

## WHAT MODELS ARE QUALIFIED FOR TRADE-IN?

CEAST 6786, 6789, 6849, 6850, 6990, 6992, 6785, 7524, 7525, 7526, 9350 and Dynatup 8210, 8250G, 8250HV, 9210, 9250G and 9250HV.

## TRADE-IN PROGRAM VALIDITY

Trade your older CEAST or Dynatup models in for a new frame from the 9400 Series.

We offer trade-in discounts applied toward the purchase of any new Instron Impact Test System.

Contact your Instron sales representative for details.

This Trade-In-Program is valid until the end of December 2021.

[www.instron.com](http://www.instron.com)



Worldwide Headquarters  
825 University Ave, Norwood, MA 02062-2643, USA  
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters  
Coronation Road, High Wycombe, Bucks HP12 3SY, UK  
Tel: +44 1494 464646

CEAST Headquarters  
Via Airauda 12, 10044 Pianezza TO, Italy  
Tel: +39 011 968 5511